

## APPENDIX 4—303(D) LIST OF IMPAIRED WATERS

Pursuant to Section 303(d) of the Clean Water Act (as amended), each state is required to identify those water bodies for which existing pollution controls are not stringent enough to maintain state water quality standards. Water or water bodies (e.g., lakes, reservoirs, rivers, and streams) that are not currently achieving or are not expected to achieve those standards are identified as water quality limited. The quality of a water body can be limited because of point sources of pollution, non-point sources of pollution, or both. In addition, pollutants can result from habitat alterations (e.g., riparian habitat loss) or hydrological modifications. Surface water quality problems are detailed in Utah's 303(d) list of impaired waters, as required by the Clean Water Act.

A full list of the streams and water bodies located within the Richfield Field Office (RFO) and listed on Utah's 2006 303(d) list of impaired waters is included in Table A4-1 and Table A4-2. Water bodies that received permit renewals between April 1, 2004, and March 31, 2006, are listed for pollutants that are not controlled through technology-based requirements or end-of-pipe requirements. With few exceptions, stream water bodies assessed as "partially supporting" or "not supporting" their beneficial uses are listed.

Total Maximum Daily Load (TMDL) reports and Water Quality Management Plans are discussed in the table footnotes. Of the six stream assessment units in Category 5A on the 2006 Utah 303(d) List of Impaired Waters, only Sevier River-6 is not included in a current TMDL plan. Lower Ivie, Peterson, and Lost Creeks were assessed for total dissolved solids (TDS) in TMDL plans that the Environmental Protection Agency (EPA) approved one to two years ago. TDS standards have been determined stream by stream for each of the three streams. They remain in Category 5A while water quality monitoring recalibrated in August 2004 is continued and analyzed to determine if the new TDS standards are being met for each stream. East Fork Sevier-4 continues to be listed in Category 5A for total phosphorus, even though total phosphorus was included in a TMDL plan that the EPA approved over a year ago. A Water Quality Management Plan has been approved for the San Pitch River. Of the four lakes and reservoirs in Category 5A on the 2006 Utah 303(d) list, only Piute Reservoir is not included in a current TMDL plan.

**Table A4-1. Utah's 2006 303(d) List of Category 5A: Impaired River and Stream Assessment Units Requiring TMDL Analysis**

Water Body Name	Water Body Description	Causes
East Fork Sevier River-4	East Fork Sevier River and tributaries from confluence with Sevier River upstream to Antimony Creek confluence, excluding Otter Creek and tributaries	Temperature Total phosphorus
Lost Creek	Lost Creek and tributaries from confluence with Sevier river upstream about six miles	Total Dissolved Solids (TDS)
Sevier River-6	Sevier River from Clear Creek confluence to HUC unit boundary	Temperature
Peterson Creek	Peterson Creek and tributaries from confluence with Sevier River to USFS boundary	TDS
Lower Ivie Creek	Ivie Creek and tributaries from confluence with Muddy Creek to U-10 highway	TDS
San Pitch River-5	San Pitch River and tributaries from beneficial U132 to Pleasant Creek confluence excluding Cedar Creek, Oak Creek, Pleasant Creek, and Cottonwood Creek	Temperature

Source: UDWQ 2006 303(d) List of Waters.

Notes: All but one river and stream assessment unit listed in Table A4-1 are discussed in Water Quality Management Plans and/or TMDL reports that have been prepared for the Utah Division of Water Quality, Utah Department of Environmental Quality, and U.S. Environmental Protection Agency (EPA). Coverage is as follows:

1. Ivie Creek is discussed in the *Price River, San Rafael River, and Muddy Creek TMDLs for Total Dissolved Solids, West Colorado Watershed Management Unit, Utah*, January 2004, prepared by MFG, Inc., Fort Collins, Colorado.
2. Lost Creek and Peterson Creek are discussed in the “*Draft*” *TMDL Water Quality Study of the Middle and Lower Sevier River Watershed*, February 9, 2004, submitted by Tetra Tech, Inc., Water Resources and TMDL Center.
3. East Fork Sevier River 4 and its tributaries are rated a high priority for coverage in a TMDL report or Water Quality Management Plan to be prepared between 2004 and 2006. This is the only river or stream assessment unit listed in Table A4-1 that is not already covered in a draft or final TMDL report or Water Quality Management Plan.
4. San Pitch River is discussed in the *San Pitch River Watershed Water Quality Management Plan*, approved by the EPA November 18, 2004, prepared by Millennium Science and Engineering.

**Table A4-2. Utah’s Draft 2004 List of Category 5A—Lakes and Reservoirs Identified as Needing TMDL Analysis**

Water Body Name	Water Body ID	Pollutant
Piute Reservoir	UT-L-16030001-011	Total phosphorus
Nine Mile Reservoir	UT-L-16030004-001	Total phosphorus Dissolved oxygen
Otter Creek Reservoir	UT-L-16030002-004	Total phosphorus
Koosharem Reservoir	UT-L-16030002-011	Total phosphorus

Source: UDWQ 2006 303(d) List of Water